



*Where ideas connect*

Department of Environmental Quality  
Division of Solid and Hazardous Waste

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## NOTICE

The Director of the Utah Division of Solid and Hazardous Waste gives notice that the October 2003 Human Health Risk Assessment (HHRA) for the Deseret Chemical Depot (DCD) is available. The April 2002 draft HHRA was revised in response to comments received. Included in the October 2003 HHRA are a copy of the comments received and responses to those comments. Changes between the April 2002 draft and the October 2003 HHRA were clarifications and minor corrections. The conclusions, as summarized below, were unchanged.

Copies of the HHRA are available at the Division of Solid and Hazardous Waste, 288 North, 1460 West, Salt Lake City, Utah. Business hours are 8:00 am to 5:00 pm, or other hours with prior arrangement, Monday through Friday. Copies are also available at the Tooele Chemical Stockpile Outreach Office, 54 South Main Street, Tooele, Utah. A copy can also be viewed at [http://www.deq.state.ut.us/EQSHW/CDS/CDS\\_Risk\\_Page.htm](http://www.deq.state.ut.us/EQSHW/CDS/CDS_Risk_Page.htm).

The HHRA, an update of the 1996 Screening Risk Assessment, is a tool used by the Division of Solid and Hazardous Waste (Division) to evaluate the protectiveness of the hazardous waste operating permits. Emissions from both the Tooele Chemical Agent Disposal Facility (TOCDF) and the Chemical Agent Munitions Disposal System (CAMDS) were evaluated by the risk assessment. More than 300 chemicals that might be released were evaluated, including chemicals that were never detected in stack emissions. The risk assessment uses hypothetical exposure scenarios that are not intended to represent any individual person. Chemical emissions were also predicted for future VX and mustard campaigns. If the calculated risks for the hypothetical exposure scenarios are less than the target levels, the conclusion is that potential exposures to emissions are safe. Safe in this context means that the risks are below a level that requires regulatory intervention. If the calculated risks are greater than the target levels, additional investigation is required. If, after additional investigation, the risks exceed target levels, the Division would take regulatory action.

The conclusions of the HHRA are that potential exposures to emissions from DCD are safe. The calculated risks for five chemicals (ethyl methanesulfonate, di(n)octyl phthalate, dibenz(a,h)anthracene, indeno(1,2,3,cd)pyrene, and mercury) were above target levels and warranted additional investigation. After additional investigation, the DSHW determined that no regulatory action is currently needed. The DSHW proposes to conduct future environmental monitoring to confirm that chemicals are not being released at unsafe levels. The environmental monitoring will consist of sampling and analyzing vegetation and soil from around DCD.

The analyses in the HHRA are frequently updated as new information becomes available. For further information please contact Martin Gray or Chris Bittner with the Division at (801) 538-6170.